Under the Paperwork Radings Act of 1995, no. Substitute for form 1 449/0710

EXPRESS MAIL NO. EV689730756U8

U.S. Patent and Trademark Office; U.S. PEPARTMENT OF COMMERCE
spond in a collection of information unless is operating a valid Child control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sharts as necessary)

of A

	anprete it intown
Application Number	09/234,208
Filing Date	January 20, 1999
First Harried Investitis	Dohlarty
An unit	1842
Examiner Name	Anne Holleran
Attorney Docket Number	49821-1

Exercises	Che			DOCUMENTS	
kitals"	Cites Sto.	Document Number Number-Kind Code ^{2 (R Asset)}	Publication Date MM-QD-YYYY	Name of Patentee or Applicant of Cited Coccining	Pages, Columns, Lines, Where Relevant Passages or Refevent Figures Appear
_5%	C105	U9-6,541,214	04-01-2003	CSinton et al.	
	C106	US-20030059883	03-17-2003	Clinfon et al.	
	C107	US-20048027785	02-05-2004	Clinion at pl.	
	C108	US-20040052796	g3-18-2004	Clintois et et.	
_ V	C109	US-5,705,167	01-08-1995	Greens of at	-
	C110	US-6,811,006	09-22-1996	Ploteman et et.	
		US			
		US-			
		US.			
	·	US			
		US			
		US-			*****
		US.			
		U8-			
		US-			
		US-			,
		US			
		US-			

icaminer.	744	FORE	IGN PATENT DOCU	Ments		
Indials	Cite:	Fortigri Palaira Dessurrent	Publication	Marno of Petersee or	Pages, Columns, Lines,	T
		Country Code - Number - Ried Code (Finance)	AMA-DD-YYYY	Applicant of Chief Document	Where Relevant Passages Or Relevant Pigures Appear	
SM	C111	WD0029689	05-25-2000	Oragon Health Sciences University		Ī
	C112	WC100444603	06-03-2000	Oregon Health Sciences University		
	C113	W00181356	08-23-2001	Oregon Health Sciences University		
a/	G114	WO0214470	03-21-2002	Oregon Health and Science University		Γ
	C115	W005018988	02-24-05	Receptor BioLogix, Inc.		Г

<u> </u>							<u> </u>	
E COM		l fa			Date	71	- / 4	
Slori	ALUM :	A. Hi	10-			7.	2 210K	
		 · 1	TEL TEL	 	Considered	1 / 1		

Exempting: Initial if referently considered, whether or not citation is in conformation with LIPEP 809. Draw line through citation if not in conformation and not considered. Include copy of this form with field communication to applicant. Applicant's unique citation designation number (optional). See Kinds: Colors of LIPEPTO Papert Decuments at term, usoto governments on the Experience patent documents, for indication of the year of the reign of the Emperor must precede the scalar number of the patent document. After definition of the patent document, by the appropriate symptote as indicated on the document index WIPO Standard St. 10 if possible. Applicant is to place a check mark here it English tanguage Translation is attached.

Kind of document by the appropriate symbols as moretaed on the document under YVPLD Standard St. 10 in prosess. Appropriate symbols as moretaed on the document under YVPLD Standard St. 10 in prosess. Appropriate the proof of t

SEA 1628029v1 49321-1

PTOSSUBB (05-00
Approved for use through 04/30/2003, 0,589 0651,003
US. Patent and Trabement Cology U.S. UEPARTMENT OF COMMERCY
Under the Paperwork Reduction Act of 1995,co parases are required to respond to a collection of information unless it consists a verific to Mis control number

Substitute for furni 1449/PTO		Complete if Known
INFORMATION DISCLOSURE	Application Number	09/234,208
STATEMENT BY APPLICANT	Filing Cate	January 20, 1999
(Use as many sheets as decisionly)	First Named Inventor	Doherty:
And the month disserts dis statement A)	Art Unit	1642
	Examiner Name	Anne Holleran
Sheet 2 of 5	Attorney Docket Number	49321-1

Examiner	Oke	NON PATENT LITERATURE DOCUMENTS	
linitials:	No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city antifor country where published.	Ţ
gu	C116	BAASNER et al., Reversible turnorigenesis in mice by conditional expression of the HER2/c-en62 receptor tyrosine kinese, Oncogene 13(5):901-11, 1996	
	C117	BOWIE et al., Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions, Science 247:1306-1310, 1990	
	C118	BRANDON et al., Estrogen Receptor Gene Expression in Human Uterine Lelomyomata, J. Clin. Endocrinol. Metab. 80(8):1876-1881, 1995	·
	G119	BRANDON et al., Progesterone receptor messenger ribonucleic acid and protein are overexpressed in human uterine lejomyomas, Am. J. Obstet. Gymecot. 169(1):78-85, 1993	
	C120	BRODOWICZ et al., Soluble HER-Zineu netralizes biologic effects of anti-HER-Zinew antibody on breast cancer cells in vitro, Int. J. Cencer 73:875-879, 1997	:
	C121	BROWN et al., Artibodies against Highly Conserved Sites in the Epidermal Growth Factor Receptor Tyrosine Kinase Bornain as Probes the Structure and Function, Biochem 32:4659- 4654, 1993	
	C122	BURGESS et al., Possible Dissociation of the Heparin-binding and Mitogenic Activities of Heparin-binding (Acidic Fibroblast) Growth Factor-1 from its Receptor-binding Activities by Site-directed Mutagenesis of a Single Lysine Residue, J. Cell Blol. 111:2129-2138, 1990	
	C123	CLINTON and BROWN, Generation and Use of Anti-peptide Antibodies Directed against Catalytic Domain of Protein Kinases, Methods in Enzymol. 200:463-474, 1991	
	C124	CLINTON and HUA, Estrogen action in human ovarian cancer; Crit. Rev. Oncol/Heimatol. 25:1-9, 1997	-
Ø	C125	CLINTON et al., Estrogens increase the expression of fibutin-1, an extracellular matrix protein secreted by human overien caricer cells, Proc. Natl. Acad. Sci. UBA 93:318-320, 1998	

1/4 7/23/05

SEA 1628029v1 49321-) Seatte

USPTO USPTO TO: peter reddi COMPANY:

	7:		
SI	C128	DERMER, Another Anniversary for the War on Cancer, Blo/Technology 12:320, 1994	
	C127	DI FIORE et al., erb8-2 is a Potent Oncogene When Overexpressed in NIH/3T3 Cells, Science 237:178-182, 1987	
	C128	DILLMAN, Antibodias as Cytofoxic Therapy, J. Clin. Oncol. 12(7):1497-1515, 1894	
	C129	DOHERTY et al., An Alternative HER-2/neu Transcript of 8 kb Has an Extended 3'UTR and Displays increased Stability in SKOV-3 Ovarian Carcinoma Cells, Gynecol. Oncol. 74:408-415, 1999	
	C130	OOUGALL et al., The new-proopene: signal transduction pathways, transformation mechanisms and evolving therapies, Oncogene 9:2108-2123, 1994	
	C131	GREENSPAN and DI CERA, Dafining epitopes: It's not as easy as it seems, Nature Biotechin. 17:938-937, 1999	
	C132 HUA st al., SKOV3 Overten Carcinoma Cells Have Functional Estrogen Receptor but are Growth-resistant to Estrogen and antiestrogens, J. Steroid Blochem. Molec. Biol. 55(3/4):279-289, 1995		
	C133	HUDZIAK et at., increased expression of the putative growth factor receptor p185 ^{HEP2} causes transformation and turnorigenesis of MiH 313 cells, Proc. Natl. Acad. Sci. USA 84:7159-7163, 1987	
	C134	HYNES and STERN. The biology of erbB-2/neu/HER-2 and its role in cancer, Blochimica et Biophysica Acta 1196:185-184, 1994	
	C(35	JHABVALA-ROMERO et al., Herstatin inhibits heregulin-mediated brasst cancer cell growth and overcomes temporien resistance in breast cancer cells that overcopress HER-2, Oncogene 22:8178-8186, 2003	
	C136	JUSTMAN and CLINTON, Heritatin, an AutoInhibitor of the Human epidermal Growth Factor Receptor 2 Tyrosine Kirtsee, Modulates Epidermal Growth Factor Signaling Pathways Resulting In Growth Arrest, J. Biol. Chem. 277(23):20618-20624, 2002	
	C137	KERN et al., inhibition of Human Lung Cencer Cell Line Growth by en Anti-p185 ^{HER2} Antibody, Am. J. Respir. Cell Mol. Biol. 9:448-454, 1993	
	C138	LAZAR ét al., Transforming Growth Factor o: Mutation of Aspartic Acid 47 and Leucine 48 Results in Different Biological Activities, Mot. Cell. Biol. 8(3):1247-1252, 1988	
	Č139	LEE and CLINTON, Serum Tyrosine Khaise Activity and Neoplastic Disease, Recent Results Cancer Res. 113:32-40, 1989	
V	Ç14Q	LEWIS et al., Differential responses of human tumor cell lines to anti-p185 ^{MERQ} monoclonal antibodies, Cancer Immunother 37:255-263, 1993	

SEA 1628029v1 49321-1 Seatsia 1 p 7/20/05

Í	T		
çu	C141	LIN and CLINTON, A soluble protein related to the HER-2 proto-cricogene product is released from human breast carcinoms cells, Oncogene 8(4):639-643, 1981	
	C142	LIN and CLINTON, Human prostatic acid phosphatase has phosphotyrosyl protein phosphatase activity, Blochem, J. 235:051-367, 1986	
	E143	LIN and Clinton, The Epidermal Growth Factor Receptor from Prostate Cells to Dephosphorylated by a Prostate-Specific Phosphotyroxyl Phosphatase, Mol. Cell Biol. 8(12): 5477-5485, 1988	-
	C144	LIN et al., Characterization of Tyrosyl Kinasa Activity in Human Serum, J. Biol. Chem. 260(3): 1582-1587, 1985	
	C145	UN et al., Developmental Expression of Tyrosyl Kinase Activity in Human Serum, Human Biol. 59(3):549-556, 1987	
	C146	UN et al., Disuffice-Linked and Noncovalent Dimers of p185 ^{163,2} in Human Breast Carcinoma Cella, J. Cell. Blochem. 49:290-295, 1892	
	C147	LIN et al., insufin and epidermal growth factor stimulate phosphorylation of p185 ^{HER-9} in the breast paretroma cell line, 91'474, Mol. Cell Endocrinet 69(2-3):111-119, 1990	
	C148	LIN et al., Tyrosyl Kinase Activity is inversely Related to Prostetic Acti Phosphatese Activity in Two Human Prostate Caroinoma Cett Lines, Mol. Cett Biol. 8(12): 4753-4757, 1988	
	C149	LIU et al., MCF-7 breast cancer cells overexpressing transfected c-ent/8-2 have an in vitro growth advantage in estrogen-deplated conditions and reduced astrogen-dependence and tamoxifen-sensitivity anvivo, Breast Cencer Res. Treatment 34:97-117, 1985	
1 1 1	C150	MOLINA et al., NH2-terminal Truncated HER-2 Protein but not Full-Length Receptor is Associated with Nodel Metastasis in Human Breast Cancer, Clin. Cancer Res. 8:347-383, 2002	
	C151	NATALLet al., Expression of the p185 encoded by HER2 oncogens in normal and transformed forman thanss, Int. J. Gancer 45:457-461, 1990	
	C152	O'ROUFRE et al., Trans receptor bihibition of human glioblastoma cells by erbB family ectodomains, Proc. Natl. Acad. Sci. USA 94:3250-3255, 1997	
	Ci53	PIETRAS et al., HER-2 tyrosine kinase palinway targets estrogen receptor and promotes hormone-independent growth in human breast cancer cells, Ondogene 10:2435-2446, 1985	
	C154	SEVERINO et al., Rapid loss of oschogen and progesterone receptors in human leiomyoma and myometrial explant cultures, Mol. Human Repro. 2(11):823-826, 1996	
1	C155	SHAMIEH et al., Receptor binding specificiles of Herstelin and its intron 8-encoded domain, FEBS Letters 568:183-186, 2004	
1 1628029v)	ł 49321-1	d. you 7/23/05	

TO:peter reddi COMPANY: OLGSU

G	C156	SHEPARD et al., Monoclonal antibody Therapy of Human Cancer. Taking the HER2 Protooncogene to the Clinic, J. Clin. Immunol, 11(3):117-127, 1991	
	C157	STAVEROSKY et al., Herstatin, an autoinhibitor of the epidermal growth factor receptor femily, blocks the intracranial growth of glioblastoma, Clin, Cancer Res. 11(1):335-40, 2005	
	C158	TZAHAR et al., Bivalence of EGF-like ligands drives the ErbB signaling natwork, EMBO Journal 18(16):4938-4850, 1997	
	C159	Uniprot Data base, Database accession No. ERB2_HUMAN, "Receptor tyrosine-protein kinase erb8-2 precursor," 8/13/87, www.ebi.uniprot.org/uniprot- snyfuniProfView.do?protein[D=ER82_HUMAN8.pager.ofset=nufl	
1	C160	XIA et el., Combination of EGFR, HER-2/mau, and HER-3 is a Stronger Predictor for the Outcome of One Squamous Cell Carcinoma Than Aby Individual Family Members, Clin. Carcer Res. 5/4164-4174, 1999	

	<u> </u>		•		
Examerar Signature		Date	- / -	7]	i L
Othanse	V:	Considered	ナノンろ	105	•

EXAMPLE: Initial 8 reference consiglied, whether or not chatton to a conformation with MPEP 609. Draw time through distinct if not in conformation and self-conformation with MPEP 609. Draw time through distinct if not in conformation and self-conformation is required by an expectation of information in required by 37 CFR 1.89. The information is required to obtain or retain a bonefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated in take 120 chilules to tomplete, including gallering, preparing, and submitting the completed application from to the USPTO. Time will very depending upon the individual case. Any continues on the amount of time, you require to complete this form another suggestions for reducing this burden, should be sent to the Chief Information Collect. U.S. Patent and Trademark Office, U.S. Dispertment of Commerce, P.C. Box 1450, Alexandris, VA 22313-1350. DO NOT GEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patentin, P.C. Sox 1450, Alexandris, VA 22313-1450.

EXPRESS MAIL NO. EV784506051US

PTO/SB/06A dec-os Approved by use imposed 67/11/2008, CAMB (0601-2019 U.S. Pelleni and Tradement Office; U.S. DEPARTISENT OF COMMERCE and by a collection of information unless is contains a unit glade control number the Paperneois Reduction Act of 1965, no persons are required to resp

Substitute for form 1448/PTO	Co	mplete If Known
INFORMATION DISCLOSURE	Application Number Filing Date First Named Inventor	09/234.206, January 20, 1699. Doherty
STATEMENT BY APPLICANT	Art Unit	1842
(Une as many sheets as necessary)	Examiner Name	Susan Ungar
_3105 11 d' 1	Attorney Docket Number	49321-1

Exercises	CSe	Document Number	U.S. PATENT OX Publication Date	V	
inflats*	CSIe Ho.	Number-Kind Code ^{2 (Florence}	MAN DD-YYYY	Home of Patentes or Applicant of Ched Document	Pages, Columns, Lines, Where Relevant Passages or Reterent Figures Appear
		US-			
		U8:			
		US			
4717		US-			
		us			
_		. ÚS-			
		US-			

Describer 1		FORE	IGN PATENT DOCU	MENTS		
Examples Initials*	Citte No:	Poreign Patent Discarness Country Code ² Munder ⁴ Kind Code ³ of Immung	Publication Date Like DD-YYYY	Name of Patentee or Applicant of Ched Department	Pages, Columno, Lines, Where Rateyain Passages Or Relevent Figures Appear	Ťª
-94	C115.	WC06/016966	02-24-05	Recoptor Blokogis, Inc.		Г
						Г
						Г
					<u> </u>	_
		ż				-

Considered 00

EXEMPTIC: Initial if reference consistent, whether or not challen is in conformation with MPEP 809. Draw the through clasticn if not in conformation and not consistent include copy of this form with next comprehension to applicant. * Applicant's unique clasticn designation, number (potional). * See Kinds Codes of USPTO: Peters Occuments of sexual session or MPEP 801.04. * Error Of the terms of the designation in second the designation of the peters of the peters designation in the conformation of the peters designated that the conformation is regardly as a subject of the peters designated the series of the peters designated that is a subject to proceed the series of the peters designated. This collection of information is regardly 37 TOPR 1.97 and 1.98. The information is regard to obtain or ration a benefit by the public which is to fits (and by \$8 LISPTO to process) as application. Confidentially is governed by \$1 U.S.C. 122 and \$7 CPR 1.14. This collection is astimated to take 2 hours to complete including gathering, preparing, and submitting the competed application from to the USPTO. Three will vary depending upon the individual case. Any competers on the smooth of time you require to compete this form endor suggestions for reducing this burden, should be sent to the Chief Information (U.S. Peters and Zademank Office, U.S. Peters and Zademank Office, U.S. Occumination for Patants, P.O. Sci 1450, Alexandria, VA 22313-1450.

Byour meed assistance is completting the completing the promote for Patants, P.O. Sci 1450, Alexandria, VA 22313-1450.

SEA 1805709+1 49321-1